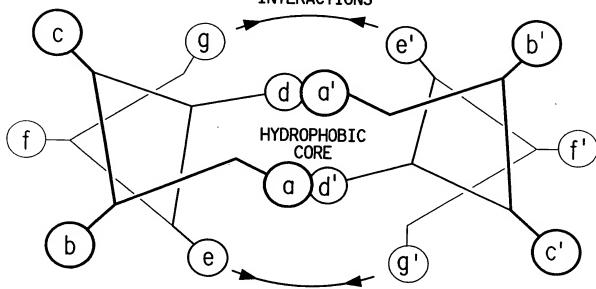


FIG.2A

POTENTIAL ELECTROSTATIC INTERACTIONS



POTENTIAL ELECTROSTATIC INTERACTIONS

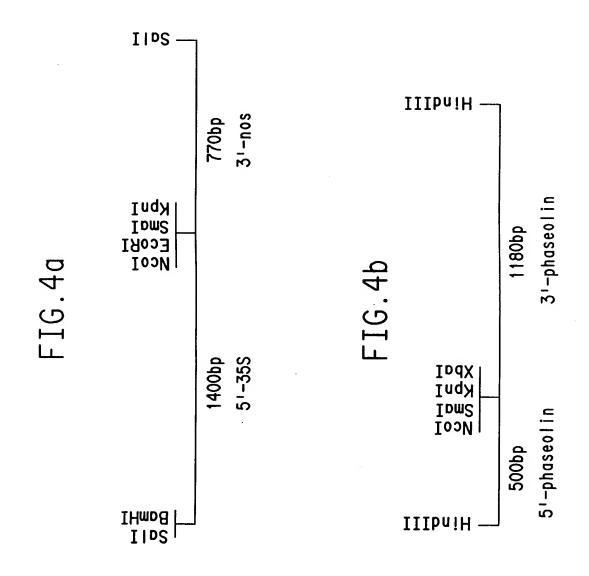
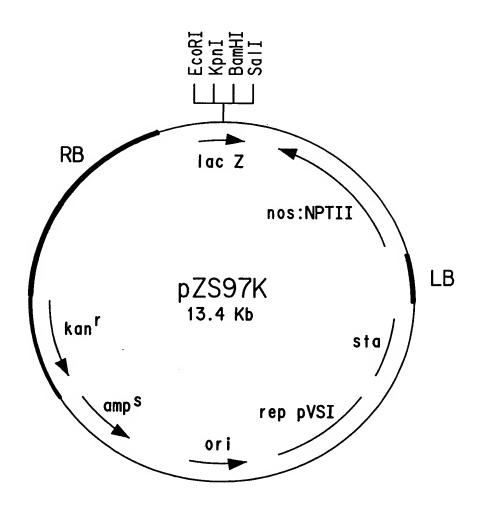


FIG.5



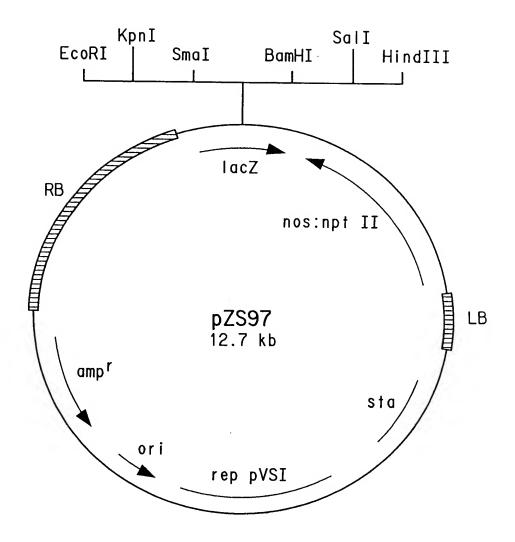


FIG.6

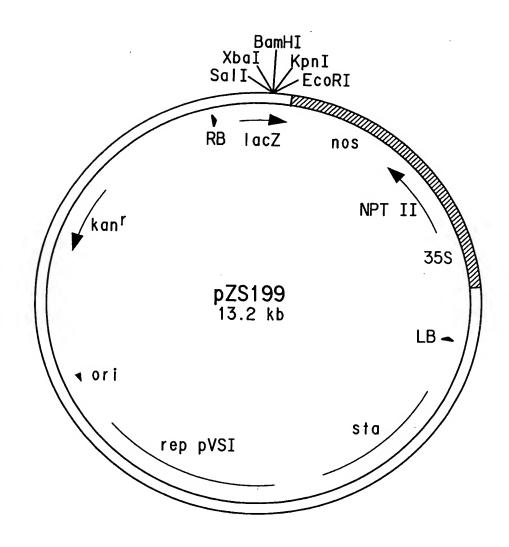


FIG.7A

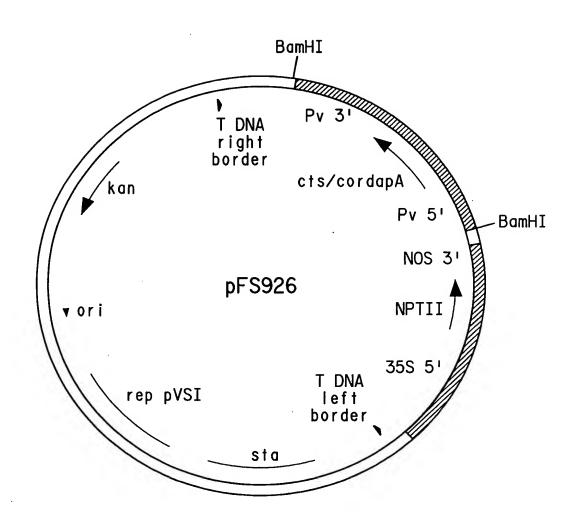


FIG.7B

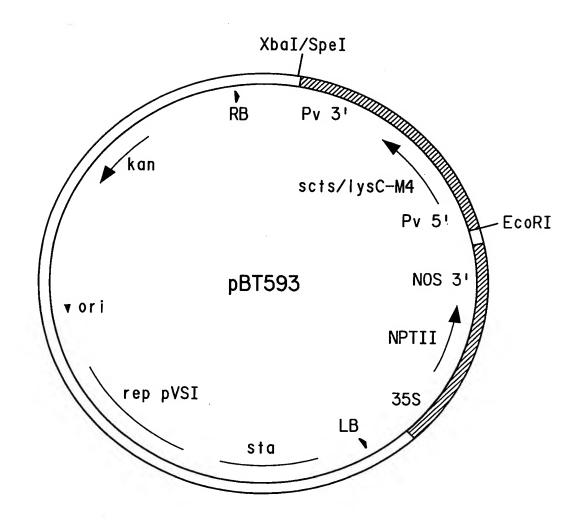


FIG.7C

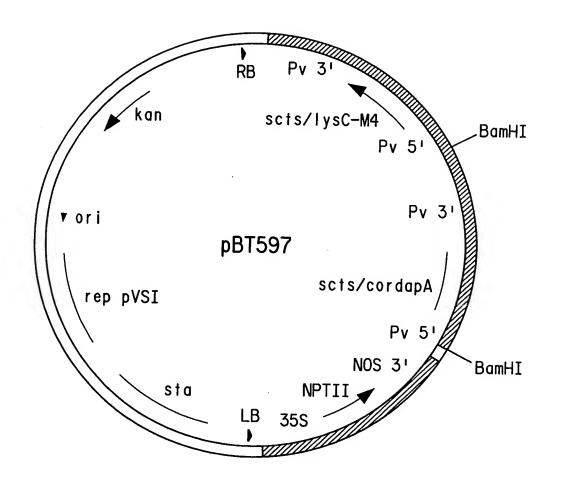


FIG.7D

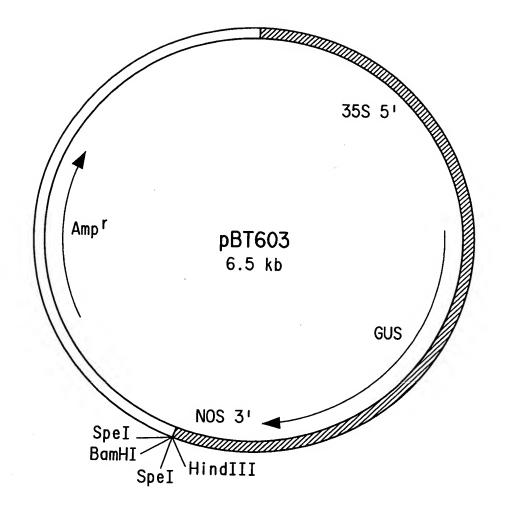


FIG.8A

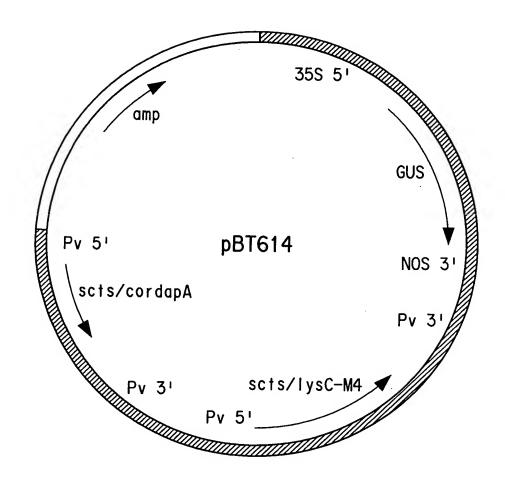


FIG.8B

FIG.9

SEQ ID NO:104	/RTISSQQWYKTYFGADSEE	89
S. cerevisiae SDH	1 MGKNVLLLGSGFVAQPVIDTLAANDDINVT 30	30
	69 VASLYLKDAKETVEGISDVEAVRLDVSDSESLLKYVSQVDVVLSLLPASC 118	118
	31 VACRTLANA.QALAKPSGSKAISLDVTDDSALDKVLADNDVVISLIPYTF 79	79
	119 HA 120	
	80 HP 81	
SEQ ID NO:105	1 KHTATLLEFGDIKNGQTTTAMAKTVGIPAAIGALLLIEDKIKTRGVLRPL 50	20
S. cerevisiae SDH	.: . ::: . . . : ::::: : . : . : :	420

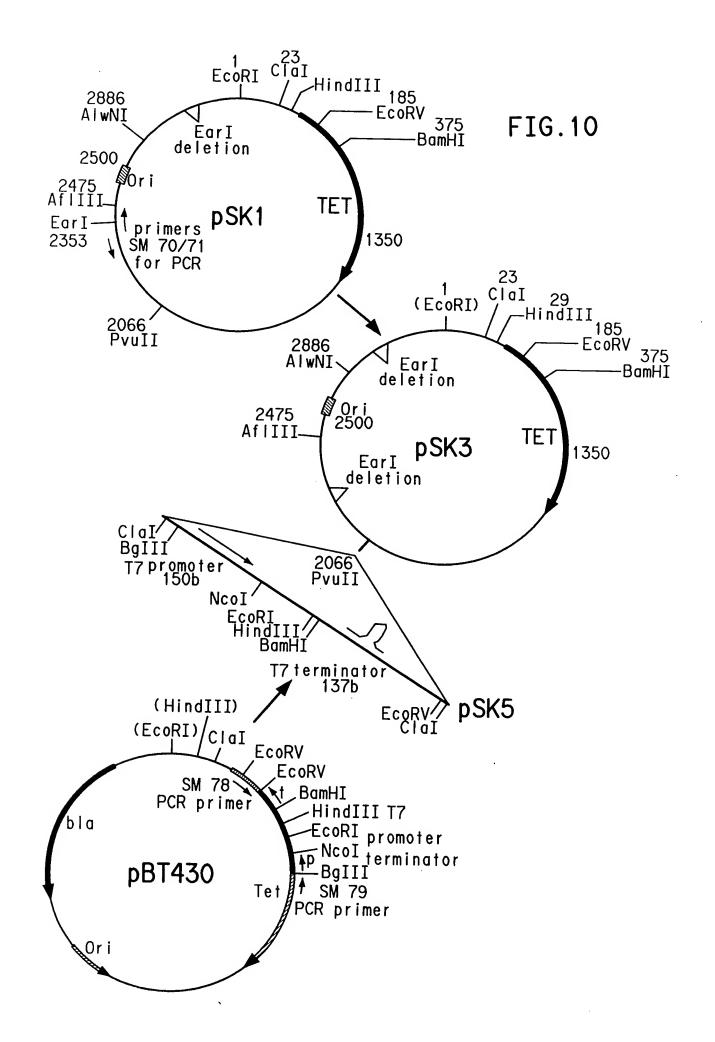


FIG.11

ASP718ECORI CT CCTCTTCTACT TCCGCTA CCTTCTC TTCGACTTCCGCACTATCCATGGCTTAA CATGBAGGAGAAGATGAAGGC GATGBAGAGAGAAGAGAGGAGGGGGGGATAGGTACGC E E K M K A EARI E K M K A M NCOI

LIGATE OLIGOS

GATGGAGGAGATGAAGGC CCTCCTCTTCTACTTCCGCTA M E E K M K A LIGATE TO EARI CUT VECTOR

ASP718ECORI CT CCTCTTCTACT TCCGCTA CCTCCTCTTCTACTTCCGCTA CCTTCTC TTCGACTTCCGCACTATCCATGGCTTAA M E E E EARI M F F X M X A E X M X A NCOI

FIG. 12

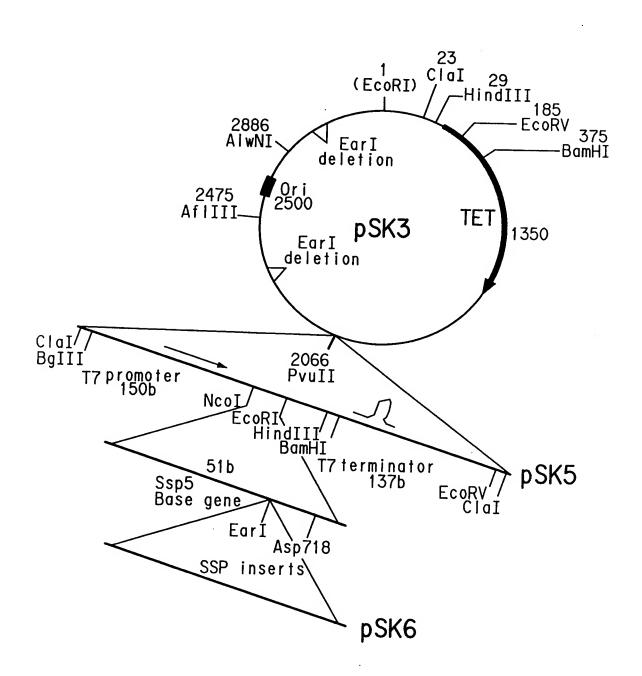


FIG. 13

BASE GENE BSPHI STOP ASP718 ECORI CTCCTCTTCTACTITITCTA GCTTCTCTTCTACTTCCAGTACTTCACTATCCATGGCTTAA

E E K M K K L E E K M K V M K CATGAGGAGAGATGAAAAA GCTCGAAGAGAAGATGAAGGTCATGAAGTGATAGGTACCG EARI E K K K K ≥

OLIGONUCLEOTIDE INSERTS

CCTTCTTTCTACTTCCGATACCTCCTGTTCTACTTTACCGAACTCCTTTTCTACTTCTTCGA GCTGGAAGAAAAAGATGAAGGCTATGGAGGAGAAGATGAAATGGCTTGAGGAAAAGATGAAGAA L EE KMKAMEEKMKWI EEKMKK | OLIGOS LIGATED INTO EARI CUT BASE GENE

ICOT

CTCCTCTTCTACTTTTTCTA CCTTCTTTTCTACTTCCGATACCTCCTGTTCTACTTTACCGAACTCCTTTTCTACTTCTTCGA <u>CATGA</u>GGAGAAGATGAAAAA GCTGGAAGAAAAGATGAAGGCTATGGAGGAGAAGATGAAATGGCTTGAGGAAAAGATGAAGAGCT

M E E K M K K L E E K M K A M E E K M K W L E E K

EARI BSPHI ASP718 ECORI

GCTTCTCTTCTACTTCCAGTACTTCACTATCCATGGCTTAA CLONE pSK34 deaagaagaagatgaagatcatgaagtgataggtacdg

FIG.14a

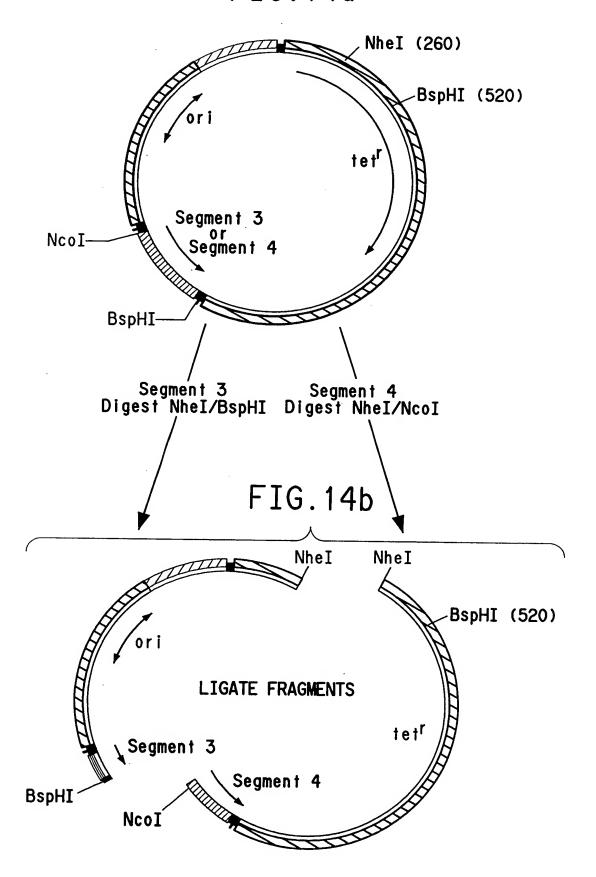
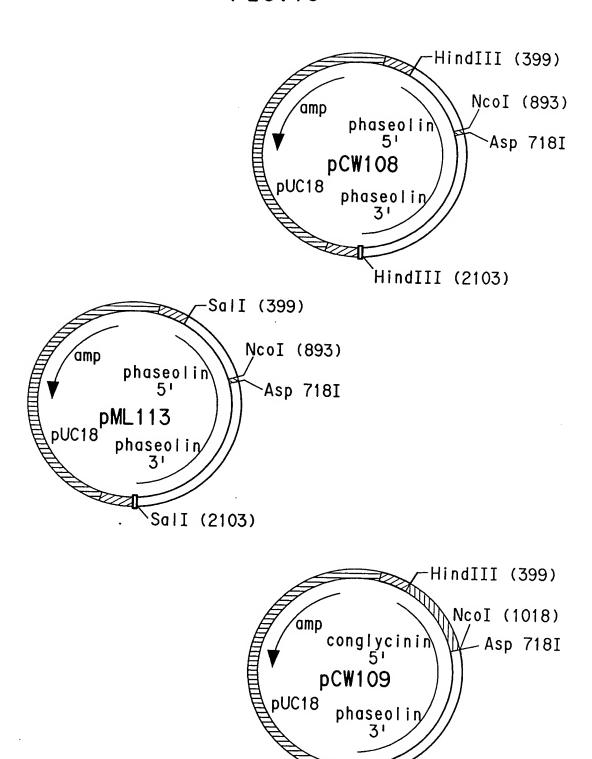


FIG. 15



HindIII (2228)

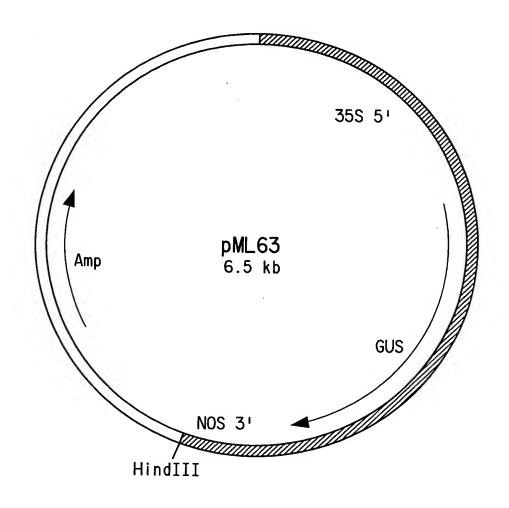


FIG.16

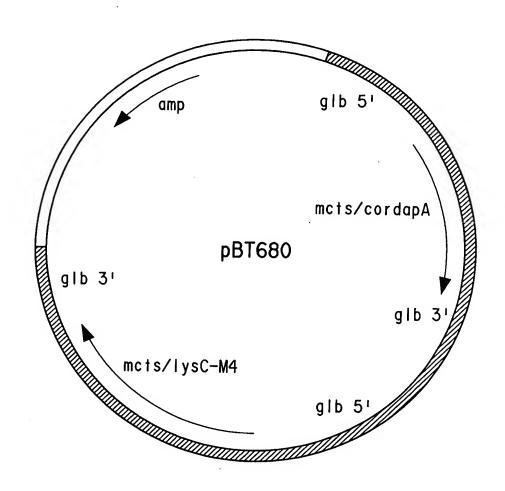


FIG.17

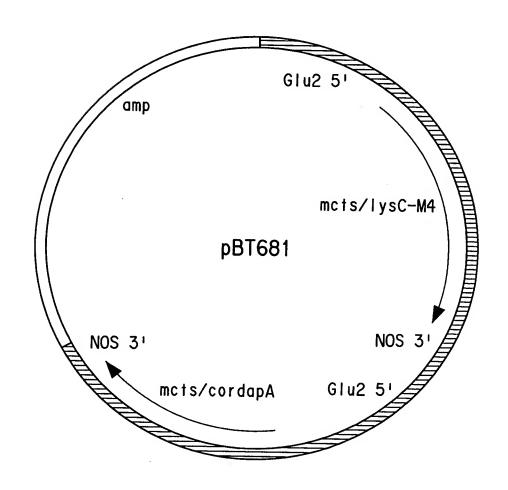


FIG. 18

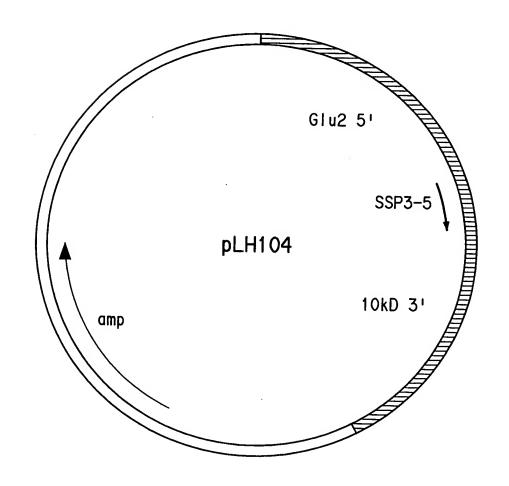


FIG.19

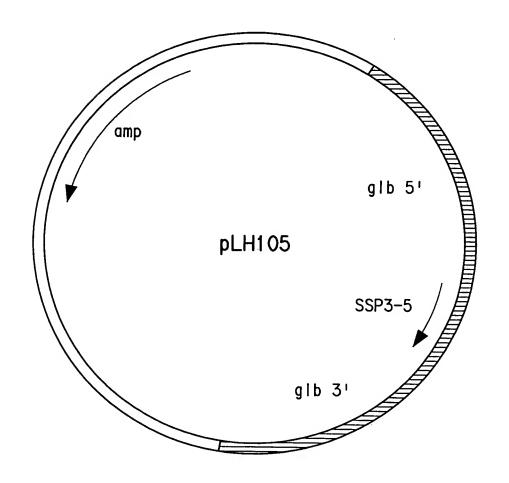


FIG.20

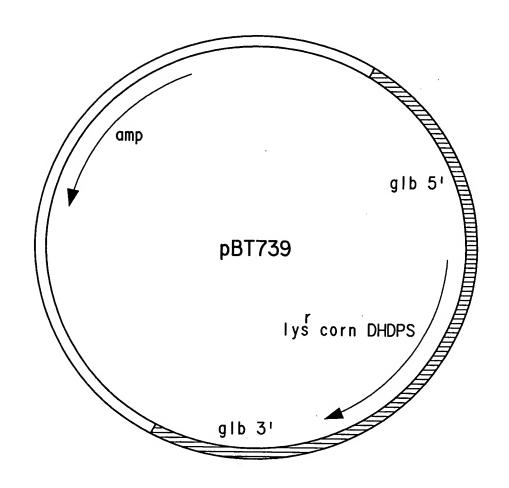


FIG.21

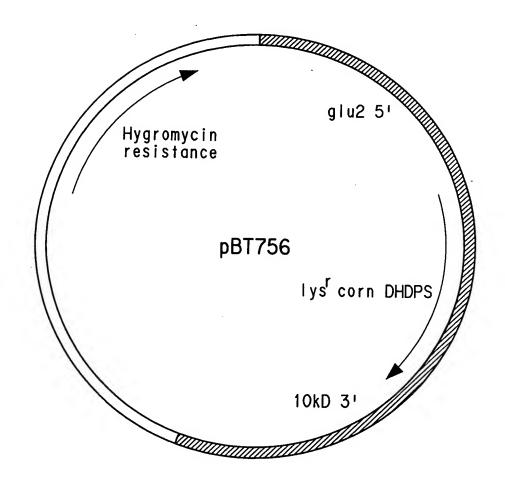


FIG.22